

ABSTRACT

The invention relates to a component operating with bulk acoustic waves, which comprises a mount substrate, thin-film resonators and an acoustic mirror, with coupled resonators being arranged jointly on this mirror. At least one mirror layer - a coupling layer - is in the form of an electrically conductive layer. This mirror layer forms coupling capacitances with lower electrodes of the resonators, thus resulting in deliberate capacitive coupling between the resonators which, according to the invention, is used in order to achieve additional pole points in the blocking areas of the filter transfer function. The capacitive coupling of the resonators may, for example, be influenced by partial structuring of the coupling layer in order, in particular, to shift the frequency of the pole points.